

Title (en)  
Pressure sealing apparatus and method.

Title (de)  
Druckverschliessvorrichtung und Verfahren.

Title (fr)  
Dispositif de fermeture à pression et méthode.

Publication  
**EP 0483962 A1 19920506 (EN)**

Application  
**EP 91308193 A 19910906**

Priority  
US 60579790 A 19901031

Abstract (en)  
A pressure sealer (10) for sealing pressure sensitive adhesive strips on business forms or the like is simple and straight forward, for use primarily in manual operations. First and second driven rollers (17, 18) convey business forms during sealing, and are driven by a single motor (21) driven gear (22) meshing with Delrin gears (24, 25) integral with the rollers. Pressure applying rollers (32, 33) are mounted above and parallel with the first and second rollers respectively, and are biased by an adjustable spring mechanism (34) to provide the necessary pressure to effect sealing. The spring force applying mechanism can also be disabled so that no force is applied to allow ready inspection and/or replacement of the components, by utilizing a particular procedure including replacing one bolt (62) with a longer thinner bolt (76). Pinching of the operator's fingers is prevented by a flap (28) disposed in association with a lead-in platform (30) for the forms, just prior to the rollers. The second roller (18) in the direction of form conveyance may a slightly larger diameter than the first roller (17) to effect a pull-up of a document feeding from the first roller to the second roller.  
<IMAGE>

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**B43M 5/02**

IPC 8 full level  
**B43M 5/04** (2006.01)

CPC (source: EP US)  
**B43M 5/047** (2013.01 - EP US); **Y10T 156/1741** (2015.01 - EP US)

Citation (search report)  
• [A] US 4450037 A 19840522 - GAVRONSKY GERMAN [US]  
• [A] US 4343129 A 19820810 - GUNTHER JR WILLIAM H, et al  
• [A] US 4926787 A 19900522 - FASSMAN ARNOLD [US], et al

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EP1661695A1

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DE FR GB NL

DOCDB simple family (publication)  
**US 5656118 A 19970812**; AU 652782 B2 19940908; AU 8683291 A 19920507; CA 2053379 A1 19920501; DE 69110405 D1 19950720; DE 69110405 T2 19951109; EP 0483962 A1 19920506; EP 0483962 B1 19950614; NZ 239795 A 19930826; US 5540806 A 19960730

DOCDB simple family (application)  
**US 38040895 A 19950130**; AU 8683291 A 19911030; CA 2053379 A 19911011; DE 69110405 T 19910906; EP 91308193 A 19910906; NZ 23979591 A 19910913; US 60579790 A 19901031